

TRANSMITTAL FORM

(To be used for all correspondence
after initial filing)

Application Number	10/644,554
Filing Date	August 19, 2003
First Named Inventor	Ralf M. Luche
Art Unit	
Examiner Name	
Attorney Docket No.	200125.413C1

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> CD(s), Number of CD(s) _____
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Declaration	<input checked="" type="checkbox"/> Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement; Form PTO-1449	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	<input type="checkbox"/> Additional Enclosure(s) (please identify below): _____ _____ _____
<input type="checkbox"/> Cited References	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Stephen J. Rosenman, Ph.D.	Customer Number 00500
Signature		
Date	December 4, 2003	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Jason Añover	
Signature		Date: December 4, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 437858



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December 4, 2003
Date

Jason Añover

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ralf M. Luche et al.
Application No. : 10/644,554
Filed : August 19, 2003
For : DSP-5 DUAL SPECIFICITY PHOSPHATASE

Docket No. : 200125.413C1
Date : December 4, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached Form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/564,357, filed April 24, 2000. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request.

Applicants wish to disclose and have officially considered the following co-pending applications by the same assignee, listed on pages 3 and 4 of the attached forms PTO-1449:

Application No.	Title	Filed
09/334,575	SUBSTRATE TRAPPING PROTEIN TYROSINE PHOSPHATASE	June 16, 1999
09/112,179	DUAL SPECIFICITY PHOSPHATASE AND METHODS OF USE	July 8, 1998
09/527,376	DSP-2 DUAL SPECIFICITY PHOSPHATASE	March 16, 2000
10/658,661	DSP-3 DUAL SPECIFICITY PHOSPHATASE	September 8, 2003
09/544,517	DSP-4 DUAL SPECIFICITY PHOSPHATASE	April 6, 2000
10/405,808	DSP-4 DUAL SPECIFICITY PHOSPHATASE	March 31, 2003
09/544,715	DSP-7 DUAL SPECIFICITY PHOSPHATASE	April 6, 2000
09/551,991	DSP-8 DUAL SPECIFICITY PHOSPHATASE	April 17, 2000
10/314,058	DSP-9 DUAL SPECIFICITY PHOSPHATASE	December 5, 2002
10/346,356	DSP-10 DUAL SPECIFICITY PHOSPHATASE	January 15, 2003
10/655,073	DSP-11 DUAL SPECIFICITY PHOSPHATASE	September 4, 2003
09/775,925	DSP-12 AND DSP-13 DUAL SPECIFICITY PHOSPHATASE	February 1, 2003
09/847,519	DSP-14 DUAL SPECIFICITY PHOSPHATASE	May 1, 2001
09/955,732	DSP-15 DUAL SPECIFICITY PHOSPHATASE	September 18, 2001
09/964,277	DSP-16 DUAL SPECIFICITY PHOSPHATASE	September 25, 2001
10/076,859	DSP-17 DUAL SPECIFICITY PHOSPHATASE	February 14, 2002
10/151,320	DSP-18 DUAL SPECIFICITY PHOSPHATASE	May 16, 2002

Applicants note that since the application filing date is after June 30, 2003, copies of the cited U.S. patents and patent applications have not been provided. If the Examiner wishes, copies will be provided upon request.

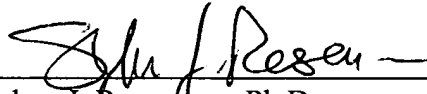
As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC



Stephen J. Rosenman, Ph.D.

Registration No. 43,058

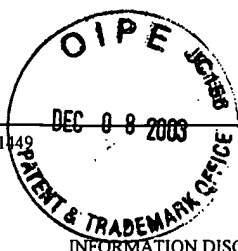
Enclosures:

Postcard

Form PTO-1449

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

437865



FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200125.413C1	APPLICATION NO. 10/644,554
		APPLICANTS Ralf M. Luche et al.	
		FILING DATE August 19, 2003	GROUP ART UNIT

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AD	WO 97/00315	01/03/97	WIPO		
	AE	WO 97/06245	02/20/97	WIPO		
	AF	WO 98/04712	02/05/98	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AG	Adams and Cory, "The Bcl-2 Protein Family: Arbiters of Cell Survival," <i>Science</i> 281(5381):1322-1326, 1998.
	AH	Alessi et al., "The Human CL100 Gene Encodes a Tyr/Thr -Protein Phosphatase Which Potently and Specifically Inactivates MAP Kinase and Suppresses Its Activation by Oncogenic Ras in Xenopus Oocyte Extracts," <i>Oncogene</i> 8(7):2015-2020, 1993.
	AI	Ashkenazi and Dixit, "Death Receptors: Signaling and Modulation," <i>Science</i> 281(5381), 1305-1308, 1998.
	AJ	Evan and Littlewood, "A Matter of Life and Cell Death," <i>Science</i> 281(5381):1317-1322, 1998.
	AK	Fauman and Saper, "Structure and Function of the Protein Tyrosine Phosphatases," <i>TiBS</i> 21(11):413-417, 1996.
	AL	Flint et al., "Development of 'Substrate-Trapping' Mutants to Identify Physiological Substrates of Protein Tyrosine Phosphatases," <i>Proc. Natl. Acad. Sci. USA</i> 94:1680-1685, 1997.
	AM	Groom et al., "Differential Regulation of the MAP, SAP and RK/p38 Kinases by Pyst1, a Novel Cytosolic Dual-Specificity Phosphatase," <i>The EMBO J.</i> 15(14):3621-3632, 1996.
	AN	Guan and Butch, "Isolation and Characterization of a Novel Dual Specific Phosphatase, HVH2, Which Selectively Dephosphorylates the Mitogen-Activated Protein Kinase," <i>The J. of Biological Chemistry</i> 270(13):7197-7203, 1995.

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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Sheet 2 of 3

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200125.413C1	APPLICATION NO. 10/644,554
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
BB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Guan et al., "The Yeast Open Reading Frame Encoding a Dual Specificity Phosphatases," <i>TiBS</i> 18(1):6, 1993.
BD	Jia, "Protein Phosphatases: Structures and Implications," <i>Biochimie et Biologie Cellulaire</i> 75(1):17-26, 1997.
BE	Keyse, "An Emerging Family of Dual Specificity MAP Kinase Phosphatases," <i>Biochimia et Biophysica Acta</i> 1265:152-160, 1995.
BF	Keyse and Emslie, "Oxidative Stress and Heat Shock Induce a Human Gene Encoding a Protein-Tyrosine Phosphatase," <i>Nature</i> 359:644-647, 1992.
BG	Muda et al., "Identification of the Human YVH1 Protein-Tyrosine Phosphatase Orthologue Reveals a Novel Zinc Binding Domain Essential for in Vivo Function," <i>The Journal of Biological Chemistry</i> 274(34):23991-23995, 1999.
BH	Muda et al., "Molecular Cloning and Functional Characterization of a Novel Mitogen-Activated Protein Kinase Phosphatase, MKP-4," <i>J. of Biol. Chem.</i> 272(8):5141-5151, 1997.
BI	Thornberry and Lazebnik, "Caspases: Enemies Within," <i>Science</i> 281(5381):1312-1316, 1998.
BJ	Walton and Dixon, "Protein Tyrosine Phosphatases," <i>Annu. Rev. Biochem.</i> 62:101-120, 1993.
BK	Ward et al., "Control of MAP Kinase Activation by the Mitogen-Induced Threonine/Tyrosine Phosphatase PAC1," <i>Nature</i> 367(6464):651-654, 1994.
BL	Zheng and Guan, "Dephosphorylation and Inactivation of the Mitogen-Activated Protein Kinase by a Mitogen-Induced Thr/Tyr Protein Phosphatase," <i>The J. of Biological Chemistry</i> 268(22):16116-16119, 1993.
BM	GenBank Accession No. AA074665, October 27, 1997.
BN	GenBank Accession No. AA081517, October 21, 1996.

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Sheet 3 of 4

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200125.413C1	APPLICATION NO. 10/644,554
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	CA	09/334,575					06/16/99
	CB	09/112,179					07/08/98
	CC	09/527,376					03/16/00
	CD	10/658,661					09/08/03
	CE	09/544,715					04/06/00
	CF	09/551,991					04/17/00

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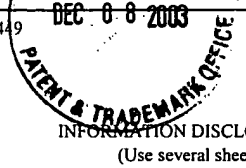
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					YES	NO
	CG					
	CH					
	CI					
	CJ					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CK	GenBank Accession No. AA088077, November 1, 1996.
	CL	GenBank Accession No. AA147450, December 14, 1996.
	CM	GenBank Accession No. AA312939, April 19, 1997.
	CN	GenBank Accession No. AA314946, April 18, 1997.
	CO	GenBank Accession No. AA316253, April 19, 1997.
	CP	GenBank Accession No. AA489562, July 2, 1997.
	CQ	GenBank Accession No. AA923158, April 21, 1998.
	CR	GenBank Accession No. AC004099, June 6, 2000.
	CS	GenBank Accession No. AF119226, August 25, 1999.

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	AF	09/955,732					09/18/01
	AG	09/964,277					09/25/01
	AH	10/076,859					02/14/02
	AI	10/151,320					05/16/02
	AJ						

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	AM					
	AN					
	AO					

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	AR	

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